

Update on Environmental Management

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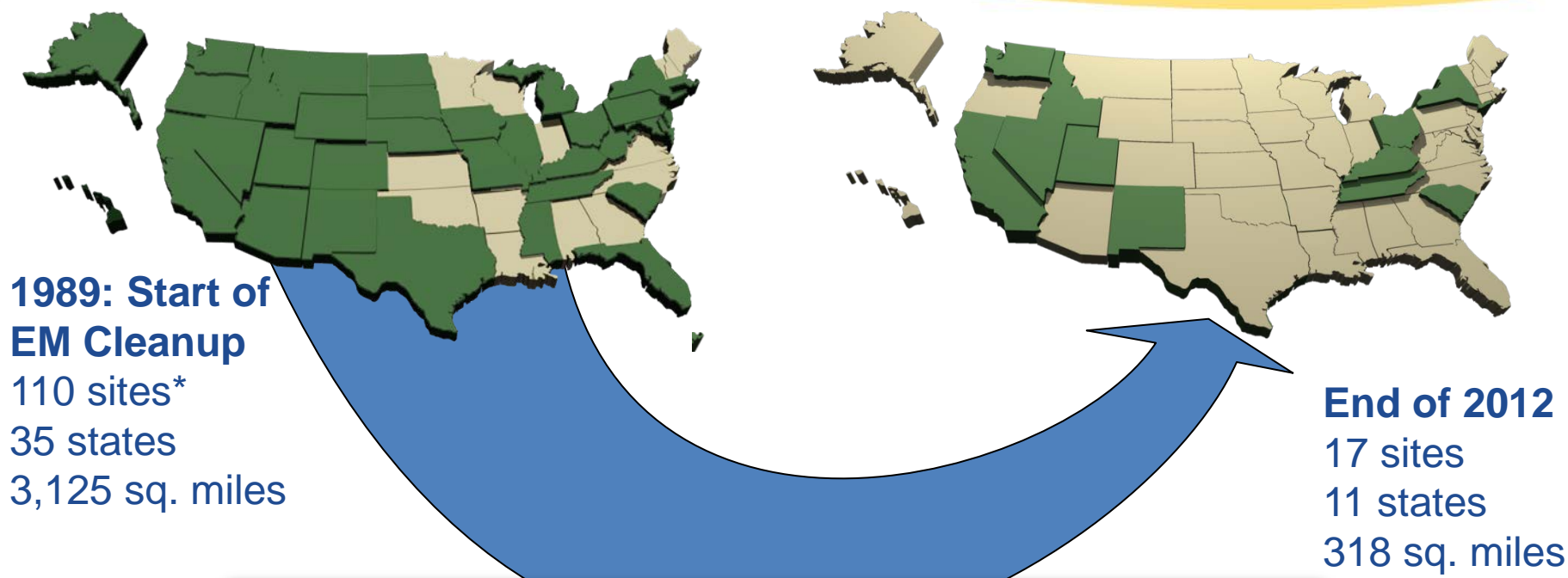
**National Transportation Stakeholders Forum
May 15, 2013**

Environmental Cleanup—a Key DOE Strategic Goal

- The mission of the DOE Office of Environmental Management (EM) is to complete the safe cleanup of the environmental legacy brought about from five decades of nuclear weapons development and government-sponsored nuclear energy research.
- EM's work supports DOE Strategic Goal #3: "Enhance nuclear security through defense, nonproliferation, and environmental efforts."



Progress to Date and Challenges Ahead



- The program's toughest challenges are still ahead, including processing liquid tank waste and deactivating and decommissioning a large number of facilities.
- These challenges require innovative technical solutions and scientific approaches.

Where Does Each Dollar of Funding Go? Funding by EM Mission Area in FY 2014

Radioactive Tank Waste
\$ 1,933M / 34%

**Special Nuclear
Materials and Used
Nuclear Fuel****
\$ 906M / 16%

**Soil and
Groundwater
r**



EM's FY 2014 Budget Request - \$5.622 Billion Total

Facility D&D
\$ 1,095M / 19%

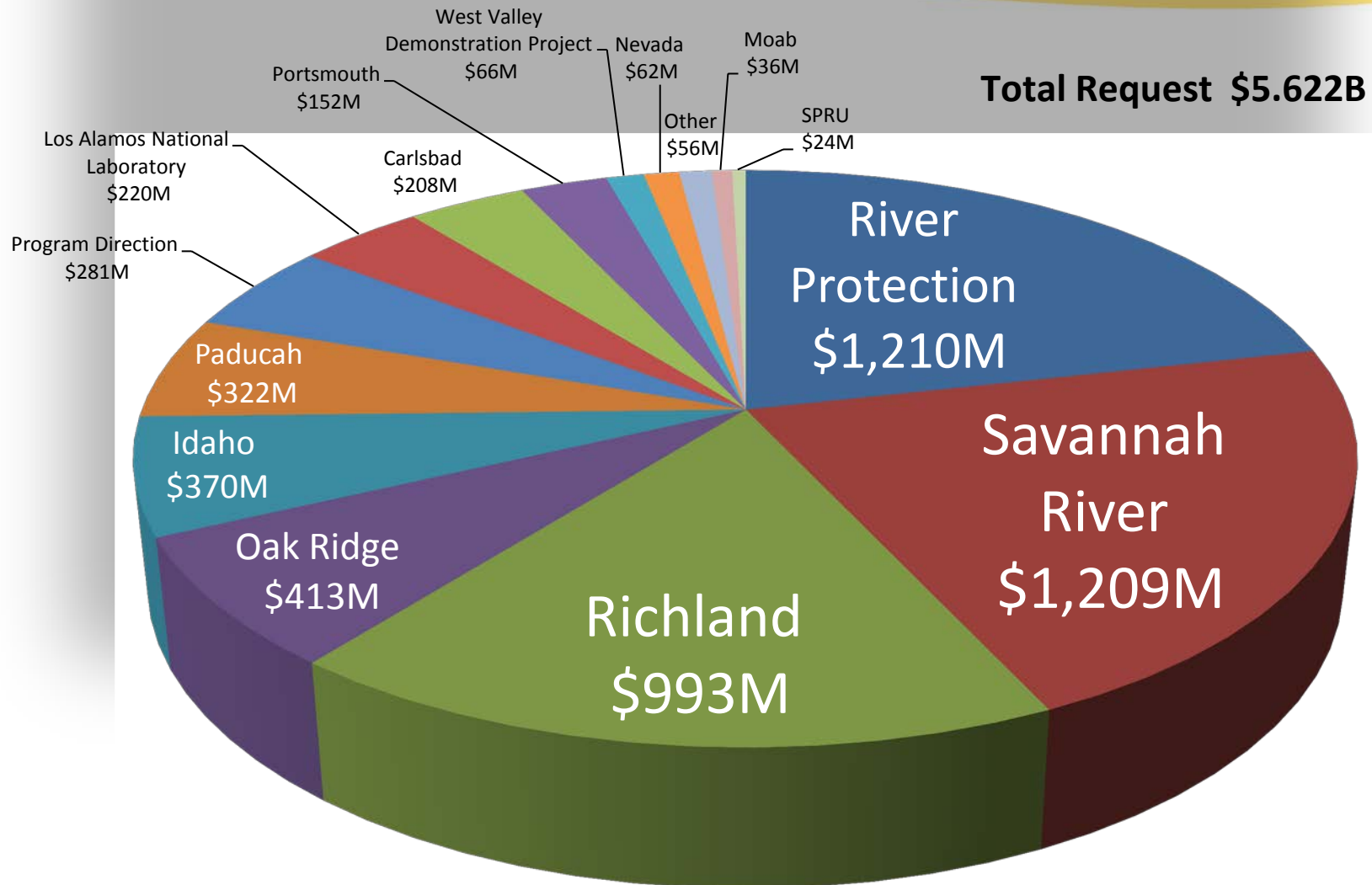
**Transuranic
& Solid
Waste**

**Essential Site
Services***
\$ 392M / 7%

*Includes Program Direction, Program Support, TDD, Post Closure Administration and Community and Regulatory Support

**Includes Safeguards and Security

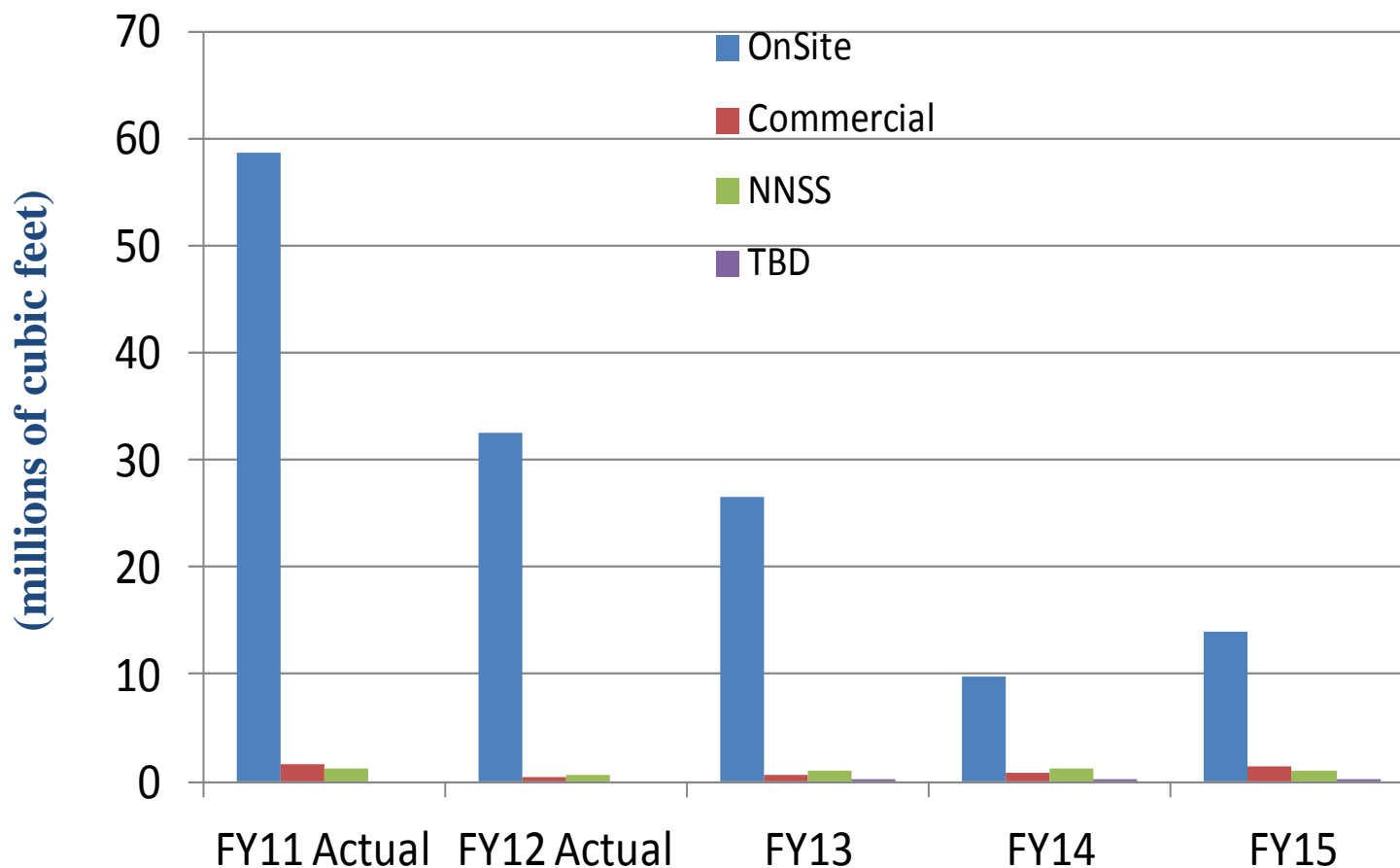
EM's FY 2014 Budget Request: Funding by Site



- Most legacy LLW/MLLW inventories have been eliminated.
 - Remaining legacy LLW streams are primarily small and challenging.
 - LLW/MLLW is mainly generated from decontamination and decommissioning and environmental restoration or ongoing missions.
- NNSS remains the only accessible DOE regional disposal site for LLW/MLLW; Hanford remains unavailable to other DOE sites.
- Actual disposed volumes in FY 2013 are lagging forecast disposal volumes (for example, NNSS receipts were 64% of forecast in March).
 - FY 2013 is a difficult year to plan, due to budget uncertainties and sequestration impacts.
- Valuable contributions from the EFCOG waste management working group are promoting integration across the complex.
- Marketplace is adjusting to emerging disposal options and decreasing waste volumes.

Forecast Complex-wide LLW/MLLW Disposal

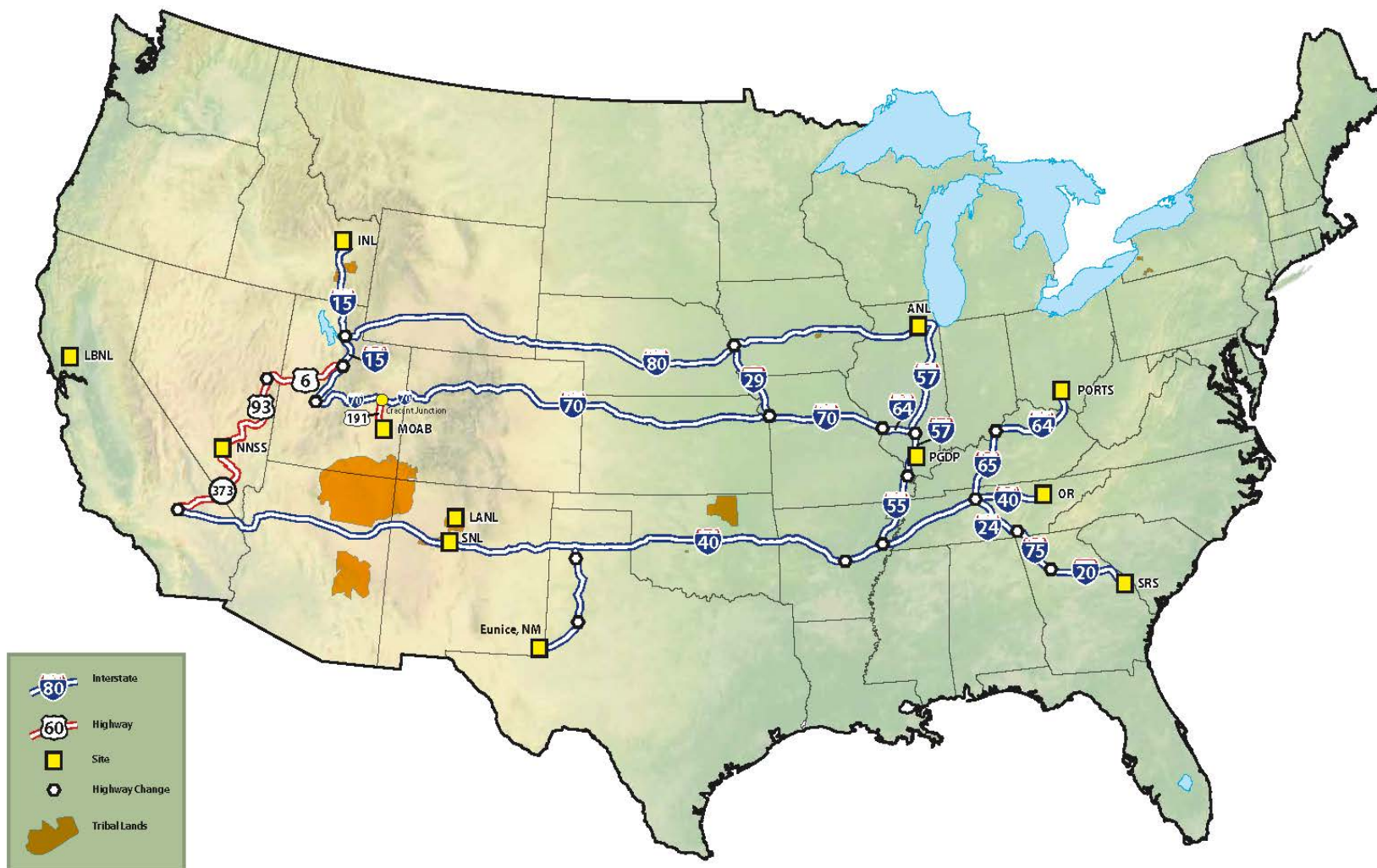
Forecasts Continue Downward Trend



- WIPP maintains momentum of the National TRU Program and continues to pursue additional efficiencies.
 - As of April 8, 2013, 326 shipments of TRU waste to WIPP were completed, resulting in 2,145 m³ of TRU disposed so far in FY 2013.
 - Since 1999, there have been 11,189 shipments and 85,933 m³ of waste disposed.
 - Shipments continue in FY 2013 from Los Alamos National Laboratory, Idaho National Laboratory, Savannah River Site, and Argonne National Laboratory.
 - LLW/MLLW exiting the TRU waste characterization process disposition continues.



Route Map



- A draft GTCC LLRW Environmental Impact Statement (EIS)
- Update on Blue Ribbon Commission-Related Efforts
- Transportation Corporate Board



EM: A National Responsibility

- Time is not on our side – costs and risks increase over time.
- We have a responsibility to relieve future generations of this environmental and financial liability.
- We have delivered significant cleanup progress in the past several years.

*K-25 East Wing
Demolition at Oak
Ridge, TN*

K-25 Building - Only 6 of 54 Units Remain

